## Beringer, Carrie

From:

Lorah, Steve

Sent:

Tuesday, July 16, 2013 1:19 PM

To:

Tarka, Michelle

Subject:

FW: Scanned from a Xerox Multifunction Device

Attachments:

Scanned from a Xerox Multifunction Device.PDF

Michelle,

Attached is the NIOSH 9100 method for wipe sampling that Carrie was utilizing yesterday. Let me know if you need anything else.

Thanks,

Steve

-----Original Message-----

From: No-Reply@heritage-thermal.com [mailto:No-Reply@heritage-thermal.com]

Sent: Tuesday, July 16, 2013 1:14 PM

To: Lorah, Steve

Subject: Scanned from a Xerox Multifunction Device

Please open the attached document. It was scanned and sent to you using a Xerox Multifunction Device.

Attachment File Type: PDF, Multi-Page

Multifunction Device Location: Mailroom

Device Name: HTS\_ELO\_MAIL

For more information on Xerox products and solutions, please visit <a href="http://www.xerox.com">http://www.xerox.com</a>

Pb

MW: 207.19

CAS: 7439-92-1

RTECS: OF7525000

METHOD: 9100, Issue 1

**EVALUATION: PARTIAL** 

ISSUE 1: 15 August

1994

PURPOSE:

Determination of surface contamination by lead and its compounds.

LIMIT OF **DETECTION:**  2 ug Pb per sample (0.02 µg/cm<sup>2</sup> for 100-cm<sup>2</sup> area) by flame AAS or ICP;

0.1 µg Pb per sample (0.001 µg/cm<sup>2</sup> for 100-cm<sup>2</sup> area) by graphite furnace AAS.

FIELD

1. Bags, plastic, sealable (e.g., with attached wire, tape or "zip"-type seal).

EQUIPMENT: 2. Sample pads, 2" x 2", sterile cotton gauze (Curity™, Johnson & Johnson™, or equivalent), or ashless quantitative filler paper.

> NOTE: Wash'n Dri™ wipes may also be used. Other wipes may not ash properly, or may have a significant lead blank value.

3. Gloves, latex, disposable.

4. Tempiate, plastic, 10 cm x 10 cm, or other standard size.

5. Water, distilled, in plastic squeeze bottle.

SAMPLING:

1. Using a new pair of gloves, remove a gauze pad from its protective package. Moisten the gauze pad with approximately 1 to 2 mL of distilled water.

NOTE 1: Apply no more distilled water than that necessary to moisten approximately the central 80% of the area of the gauze pad. Excess distilled water may cause sample loss due to dripping from the gauze pad.

NOTE 2: if using the premoistened Wash'n Dri™, omit the distilled water.

- 2. Place the lemplate over the area to be sampled. Wipe the surface to be sampled with firm pressure, using 3 to 4 vertical S-strokes. Fold the exposed side of the pad in and wipe the area with 3 to 4 horizontal S-strokes. Fold the pad once more and wipe the area with 3 to 4 vertical S-strokes.
- 3. Fold the pad, exposed side in, and place it in a new plastic bag. Seal and label the bag clearly. Discard the gloves.
- 4. Clean the template in preparation for the next wipe sample.
- 5. Include two blank pads (moistened and placed in bags) with each sample set.

SAMPLE PREP:

Use the procedure of NIOSH Method 7105, including final sample dilution to 10 mL, NOTE: Additional portions of nitric acid may be needed for complete digestion of the sample, including the pad. Include appropriate media and reagent blanks.

MEASUREMENT: Screening of all samples by flame AAS or iCP, followed by graphite fumace AAS for those samples giving "Not Detected" is an efficient scheme. Use the procedures of NIOSH Methods 7082 (Lead by flame AAS), 7300 (Elements by ICP), 7105 (Lead by graphite furnace AAS), or other appropriate methods.

## METHOD WRITTEN